

# **BIO-FILLER INJECTING TOOL AND GUIDE TOOL FOR ENDOSCOPIC SURGERY**

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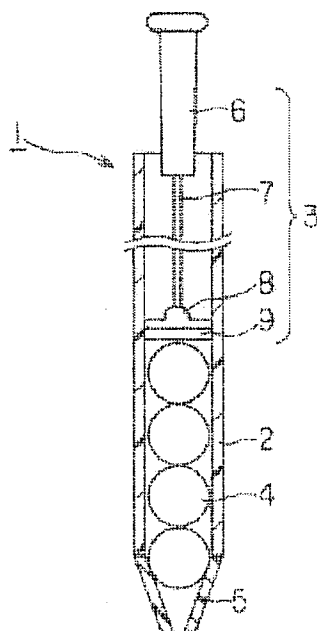
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**Abstract of JP 2001129003 (A)**

**PROBLEM TO BE SOLVED:** To provide a bio-filler injecting tool which can prevent a bio-filler contained in the tool from leaking out to an unintended part even when the tool is bent. **SOLUTION:** A bio-filler injecting tool is provided with an outer tube 2 having an internal space for housing a bio-filler 4; a discharging section 5 which is attached to the front end of the tube 2, has a hole for discharging the filler 4, and is made of an elastic material; and a pushing-out means 3 which applies an external force to the material 4 housed in the internal space of the tube 2 and/or the discharging section 5. The hole of the section 5 has a smaller diameter than the filler 4 has, and is expanded by the external force so as to discharge the filler 4.



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